

R E M A R K S

Claims 2, 5, 7, and 9 have been amended. No new matter has been added. Claims 1 and 8 have been canceled without prejudice or disclaimer. Claims 2, 3, 5, 7, 9, and 10 remain in the application. Reconsideration of this application is respectfully requested

Claims 5 and 8 were rejected under 35U.S.C.112, second paragraphs, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

-In claim 5 the equation was missing.

-In claim 8, there was a lack of description of what all the equation symbols represent.

Claim 5 has been amended to reinsert the equation. Applicant apologizes for the inadvertent deletion of the equation. Applicant respectfully request that the rejection of claim 5 now be withdrawn. Claim 5 is now believed to be in condition for allowance.

Claim 8 has been canceled to facilitate the prosecution of the application without prejudice or disclaimer.

Claims 1-3, and 10 were rejected under 35U.S.C. 103(a) as being unpatentable over Maximum a Posteriori Multipath Fading Channel Estimation for OFDM Systems (XP-001133082) in view of Turbo Channel Estimation for OFDM systems on highly time and frequency selective channels (XP-0021712570, and in further view of Matheus et al. (Us Publication 2002/0021715A1).

Claim 1 was canceled and incorporated into claim 7. Claim 2 and 3 provide further limitations to an allowable claim 7, as amended, and hence are also in condition for allowance.

Allowable Claims

Claim 9 is allowed

Applicant thanks the Examiner for the allowance of claim 9. Claim 9 was amended to address an informality (moving the word “and”).

Claim 7 was deemed allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Applicant thanks the Examiner for the indication of allowable subject matter and has amended the claim accordingly. Claim 7 has been rewritten in independent form combining the elements of claims 7 and independent claim 1, now canceled. Claim 7, as amended, is now in condition for allowance.

No amendment made was related to the statutory requirements of patentability unless expressly stated herein. No amendment made was for the purpose of narrowing the scope of any claim, unless Applicant has argued herein that such amendment was made to distinguish over a particular reference or combination of references.

The Applicants believe that the subject application, as amended, is in condition for allowance. Such action is earnestly solicited by the Applicants.

In the event that the Examiner deems the present application non-allowable, it is requested that the Examiner telephone the Applicant's attorney or agent at the number indicated below so that the prosecution of the present case may be advanced by the clarification of any continuing rejection.

The Commissioner is hereby authorized to charge any fees due to Motorola, Inc., Deposit Account No. 50-2117, or credit any overpayment to the same account.

Respectfully submitted,

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